



Medtech/ Pharma



Cleaning and etching of dental implants

- Ultrasonic cleaning
- etching
- rinsing
- drying
- outfeed to demasking station
- passivation
- rinsing



Manufacturing of burrfree cannulas

- Main-/ facet cut
- fillet
- rinsing
- passivation
- rinsing
- electropolishing
- drying

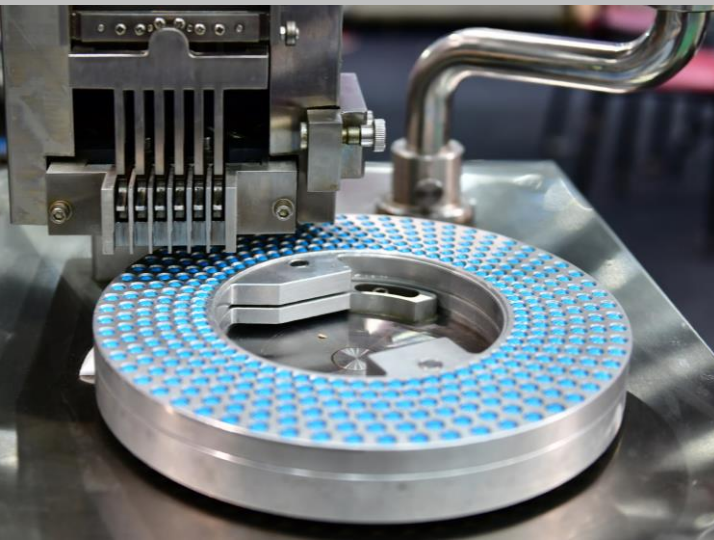
Benefits for patients with Pace- Tec cannulas:

- lpain sensation, due to lower puncture forces
- no deposits of silicone in the body, as siliconization is not necessary
- exact dosing of medication/hormone sticks injected via cannulas

Manufacturer benefits with Pace- Tec process for cannula manufacturing :

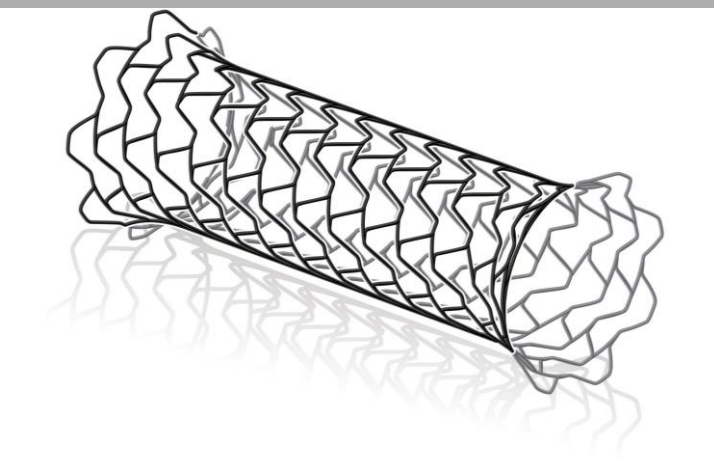
- process security/ process stability
- different geometries
- different materials (Titan; stainless steel; Nitinol)
- validity

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Cleaning of product touching parts

- capsule fillers
- tablett presses
- powder fillers
- Workpiece holders in assembly lines for inhalers, injection- pens, ...
- needle manufacturing
- dispensing equipment



Surface treatment of stents

- cleaning
- pickling
- electropolishing
- passivation
- rinsing
- drying

Complete mapping of the common guidelines:

- development of quality plans and complete documentation
- development of a qualification concept and the associated test documentation
- carrying out risk analyzes (FMEAs)
- qualification according to customer specifications or international standards (GMP; GAMP5)
- elaboration of design documents for qualification (FDS; SDS; HDS; configuration specification)
- conducting qualification tests (DQ; IQ; OQ; PQ)



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